

Exhibit A

Claim Charts Comparing Claim 1 to Other Independent Claims

Claim 1

1. A transaction system for transacting through a communication network, comprising

a first terminal connecting to the communication network and having an information indicating unit;

a second terminal that is at least one of a cellular telephone and a PDA and having a unique ID information, an antenna and an input unit, said second terminal being connectable to said first terminal through the communication network with said antenna; and

a transaction apparatus communicating with said first and second terminals through the communication network, said transaction apparatus storing said unique ID information of said second terminal in advance, said transaction apparatus setting up and sending a transaction ID information to said first terminal, said transaction apparatus receiving from said second terminal said unique ID information of said second terminal together with said transaction ID information, said transaction apparatus performing the transaction by synchronizing a communication with said first terminal and said second terminal when said unique ID information received from said second terminal is identical with that stored in said transaction apparatus in advance previously and when said transaction ID information received from said second terminal is identical with that set up by said transaction apparatus and sent to said first terminal,

wherein said first and said second terminals send and receive messages therebetween via the transaction apparatus during synchronizing.

Claim 3

3. A transaction apparatus for transaction through a communication network with a first terminal having an information indicating unit and a second terminal that is at least one of a cellular phone and a PDA and having a unique ID information, an indicating unit, and an antenna, said second terminal being connectable to said first terminal through the communication network with said antenna, comprising:

a user database for storing said unique ID information of said second terminal in advance;

a processing unit for setting up a transaction ID information to be indicated on said first terminal,

a first communication unit for connecting to the first terminal via the communication network, said first communication unit sending the transaction ID information to the first terminal; and

a second communication unit for connecting to the second terminal via the communication network and receiving from said second terminal said unique ID information of said second terminal together with said transaction ID information that is transmitted from the first terminal to the second terminal,

wherein said processing unit performs the transaction by synchronizing a communication with said first terminal and said second terminal when said unique ID information received from said second terminal is identical with that stored in said user database, and when said transaction ID information received from said second terminal is identical with that set up by said transaction apparatus and sent to said first terminal, and

wherein said first and said second terminals send and receive messages therebetween via the transaction apparatus during synchronizing.

Claim 1

1. A transaction system for transacting through a communication network, comprising

a first terminal connecting to the communication network and having an information indicating unit;

a second terminal that is at least one of a cellular telephone and a PDA and having a unique ID information, an antenna and an input unit, said second terminal being connectable to said first terminal through the communication network with said antenna; and

a transaction apparatus communicating with said first and second terminals through the communication network, said transaction apparatus storing said unique ID information of said second terminal in advance, said transaction apparatus setting up and sending a transaction ID information to said first terminal, said transaction apparatus receiving from said second terminal said unique ID information of said second terminal together with said transaction ID information, said transaction apparatus performing the transaction by synchronizing a communication with said first terminal and said second terminal when said unique ID information received from said second terminal is identical with that stored in said transaction apparatus in advance previously and when said transaction ID information received from said second terminal is identical with that set up by said transaction apparatus and sent to said first terminal,

wherein said first and said second terminals send and receive messages therebetween via the transaction apparatus during synchronizing.

Claim 62

62. A method of a transaction system including a first terminal that is a vending machine, a second terminal that is at least one of a cellular phone and a PDA, and a transaction apparatus communicating with said first and second terminals through a communication network, said first terminal having an information indicating unit, said second terminal having a unique ID information, an antenna and an input unit, and said second terminal being connectable to said first terminal through the communication network with said antenna, the method comprising:

storing said unique ID information of said second terminal in said transaction apparatus in advance;

connecting said first terminal with said transaction apparatus through the communication network;

setting up a transaction ID information in said transaction apparatus;

sending said transaction ID information to said first terminal;

indicating said transaction ID information in said information indicating unit of said first terminal;

inputting said transaction ID information to said input unit of said second terminal;

receiving from said second terminal said unique ID information of said second terminal together with said transaction ID information indicated on said information indicating unit of said first terminal; and

performing the transaction by synchronizing a communication with said first and said second terminals when said unique ID information received from said second terminal is identical with that stored in said transaction apparatus and when said transaction ID information received from said second terminal is identical with that set up by said transaction apparatus and sent to said first terminal,

wherein said first and said second terminals send and receive messages therebetween via the transaction apparatus during synchronizing.

Claim 1

1. A transaction system for transacting through a communication network, comprising

a first terminal connecting to the communication network and having an information indicating unit;

a second terminal that is at least one of a cellular telephone and a PDA and having a unique ID information, an antenna and an input unit, said second terminal being connectable to said first terminal through the communication network with said antenna; and

a transaction apparatus communicating with said first and second terminals through the communication network, said transaction apparatus storing said unique ID information of said second terminal in advance, said transaction apparatus setting up and sending a transaction ID information to said first terminal, said transaction apparatus receiving from said second terminal said unique ID information of said second terminal together with said transaction ID information, said transaction apparatus performing the transaction by synchronizing a communication with said first terminal and said second terminal when said unique ID information received from said second terminal is identical with that stored in said transaction apparatus in advance previously and when said transaction ID information received from said second terminal is identical with that set up by said transaction apparatus and sent to said first terminal,

wherein said first and said second terminals send and receive messages therebetween via the transaction apparatus during synchronizing.

Claim 66

66. A recording medium which stores a program for a computer for a transaction system including a first terminal, a second terminal that is at least one of a cellular phone and a PDA, and a transaction apparatus communicating with said first and second terminal through a communication network, said first terminal having an information indicating unit, said second terminal having a unique ID information, an antenna and an input unit, and said second terminal being connectable to said first terminal through the communication network with the antenna, the recording medium comprising:

a storing module which stores said unique ID information of said second terminal in said transaction apparatus;

a connecting module which connects said first terminal with said transaction apparatus through the communication network;

a setting up module which sets up a transaction ID information in said transaction apparatus;

a sending module which sends said transaction ID information to said first terminal;

an indicating module for indicating said transaction ID information in said indicating unit of said first terminal;

an inputting module which inputs said transaction ID information to said input unit of said second terminal;

a receiving module which receives from said second terminal said unique ID information of said second terminal together with said transaction ID information indicated on said information indicating unit of said first terminal; and

a performing module which performs the transaction by synchronizing a communication with said first terminal and said second terminal when said unique ID information received from said second terminal is identical with that stored in said transaction apparatus and when said transaction ID information received from said second terminal is identical with that set up by said transaction apparatus and sent to said first terminal,

wherein said first and said second terminals send and receive messages therebetween via the transaction apparatus during synchronizing.

Claim 1

1. A transaction system for transacting through a communication network, comprising

a first terminal connecting to the communication network and having an information indicating unit;

a second terminal that is at least one of a cellular telephone and a PDA and having a unique ID information, an antenna and an input unit, said second terminal being connectable to said first terminal through the communication network with said antenna; and

a transaction apparatus communicating with said first and second terminals through the communication network, said transaction apparatus storing said unique ID information of said second terminal in advance, said transaction apparatus setting up and sending a transaction ID information to said first terminal, said transaction apparatus receiving from said second terminal said unique ID information of said second terminal together with said transaction ID information, said transaction apparatus performing the transaction by synchronizing a communication with said first terminal and said second terminal when said unique ID information received from said second terminal is identical with that stored in said transaction apparatus in advance previously and when said transaction ID information received from said second terminal is identical with that set up by said transaction apparatus and sent to said first terminal,

wherein said first and said second terminals send and receive messages therebetween via the transaction apparatus during synchronizing.

Claim 72

72. A method of a transaction apparatus for transacting through a communication network with a first terminal having an information indicating unit and a second terminal that is at least one of a cellular phone and a PDA and having unique ID information and an antenna, said second terminal being connectable to said first terminal through the communication network with said antenna, comprising:

storing said unique ID information of said second terminal in advance;

connecting to the first terminal via said communication network;

setting up a transaction ID information to be indicated on said first terminal;

connecting to the second terminal via said communication network;

receiving from said second terminal said unique ID information of said second terminal together with said transaction ID information and inputted through said second terminal; and

performing the transaction by synchronizing a communication with said first terminal and said second terminal when said unique ID information received from said second terminal is identical with that stored in advance in said user database and when said transaction ID information received from said second terminal is identical with that set up by said transaction apparatus and sent to said first terminal,

wherein said first and said second terminals send and receive messages therebetween via the transaction apparatus during synchronizing.

Claim 1

1. A transaction system for transacting through a communication network, comprising

a first terminal connecting to the communication network and having an information indicating unit;

a second terminal that is at least one of a cellular telephone and a PDA and having a unique ID information, an antenna and an input unit, said second terminal being connectable to said first terminal through the communication network with said antenna; and

a transaction apparatus communicating with said first and second terminals through the communication network, said transaction apparatus storing said unique ID information of said second terminal in advance, said transaction apparatus setting up and sending a transaction ID information to said first terminal, said transaction apparatus receiving from said second terminal said unique ID information of said second terminal together with said transaction ID information, said transaction apparatus performing the transaction by synchronizing a communication with said first terminal and said second terminal when said unique ID information received from said second terminal is identical with that stored in said transaction apparatus in advance previously and when said transaction ID information received from said second terminal is identical with that set up by said transaction apparatus and sent to said first terminal,

wherein said first and said second terminals send and receive messages therebetween via the transaction apparatus during synchronizing.

Claim 77

77. A recording medium which stores a program for a computer for a transaction apparatus for transacting through a communication network with a first terminal that is a vending machine having an information indicating unit and a second terminal that is at least one of a cellular phone and a PDA and having unique ID information and an antenna, said second terminal being connectable to said first terminal through the communication network with said antenna, comprising:

a storing module which stores said unique ID information of said second terminal in advance;

a setting up module which sets up a transaction ID information to be indicated on said first terminal;

a first connecting module which connects to the first terminal via said communication network;

a second connecting module which connects to the second terminal via said communication network;

a receiving module which receives from said second terminal said unique ID information of said second terminal together with said transaction ID information inputted through said second terminal; and

a performing module which performs the transaction by synchronizing a communication with said first terminal and said second terminal when said unique ID information received from said second terminal is identical with that stored in said user database and when said transaction ID information received from said second terminal is identical with that set up by said transaction apparatus and sent to said first terminal,

wherein said first and said second terminals send and receive messages therebetween via the transaction apparatus during synchronizing.